

Algebra 1

Name: _____

Mrs. Arot/Mrs. Britton**Section 7.1-7.3 Systems of Equations Mix Problems** Date: _____**Solve each System of Equations. Choose to solve by graphing, substitution or elimination.******SHOW ALL YOUR WORK****

1.
$$\begin{cases} y = -\frac{5}{3}x + 3 \\ y = \frac{1}{3}x - 3 \end{cases}$$

2.
$$\begin{cases} y = 4x + 3 \\ y = -x - 2 \end{cases}$$

3.
$$\begin{cases} y = 6x - 11 \\ -2x - 3y = -7 \end{cases}$$

4.
$$\begin{cases} 2x - 3y = -1 \\ y = x - 1 \end{cases}$$

5. $\begin{cases} -6x + 6y = 6 \\ -6x + 3y = -12 \end{cases}$	6. $\begin{cases} -7x + y = -19 \\ -2x + 3y = -19 \end{cases}$
7. $\begin{cases} -x - 7y = 14 \\ -4x - 14y = 28 \end{cases}$	8. $\begin{cases} y = -\frac{1}{2}x - 1 \\ y = \frac{1}{4}x - 4 \end{cases}$
9. $\begin{cases} y = -3x + 5 \\ 5x - 4y = -3 \end{cases}$	10. $\begin{cases} x - 3y = -5 \\ 2x + y = 11 \end{cases}$

Which method to solving systems of equations do you like the best and why?
